

1627

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TECH CENTER 1600  
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1600RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/592,695CDATE: 08/12/2002  
TIME: 09:38:16Input Set : A:\P1762R1 US.txt  
Output Set: N:\CRF4\08122002\I592695C.raw

H21

3 <110> APPLICANT: Cochran, Andrea G.  
 4 Skelton, Nicholas J.  
 5 Starovasnik, Melissa A.  
 7 <120> TITLE OF INVENTION: Structured Peptide Scaffold For Displaying Turn  
 8 Libraries On Phage  
 10 <130> FILE REFERENCE: P1762R1 US  
 12 <140> CURRENT APPLICATION NUMBER: US 09/592,695C  
 13 <141> CURRENT FILING DATE: 2000-06-13  
 15 <150> PRIOR APPLICATION NUMBER: US 60/139,017  
 16 <151> PRIOR FILING DATE: 1999-06-14  
 18 <160> NUMBER OF SEQ ID NOS: 40  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 10  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: turn peptide  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: UNSURE  
 30 <222> LOCATION: 2, 9  
 31 <223> OTHER INFORMATION: Xaa at positions 2 or 9 is Trp, Tyr, Phe, His, Ile, Val or  
 Thr.  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: UNSURE  
 35 <222> LOCATION: 3, 8  
 36 <223> OTHER INFORMATION: Xaa at positions 3 or 8 is Trp, Tyr, Phe, Leu, Met, Ile or  
 Val.  
 38 <400> SEQUENCE: 1  
 W--> 39 Cys Xaa Xaa Glu Gly Asn Lys Xaa Xaa Cys  
 40 1 5 10  
 42 <210> SEQ ID NO: 2  
 43 <211> LENGTH: 10  
 44 <212> TYPE: PRT  
 45 <213> ORGANISM: Artificial Sequence  
 47 <220> FEATURE:  
 48 <223> OTHER INFORMATION: turn peptide  
 50 <400> SEQUENCE: 2  
 51 Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys  
 52 1 5 10  
 54 <210> SEQ ID NO: 3  
 55 <211> LENGTH: 12  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Artificial Sequence  
 59 <220> FEATURE:

60 <223> OTHER INFORMATION: turn peptide

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62 <400> SEQUENCE: 3  
63 Ser Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys Lys  
64 1 5 10  
66 <210> SEQ ID NO: 4  
67 <211> LENGTH: 10  
68 <212> TYPE: PRT  
69 <213> ORGANISM: Artificial Sequence  
71 <220> FEATURE:  
72 <223> OTHER INFORMATION: turn peptide  
74 <400> SEQUENCE: 4  
75 Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys  
76 1 5 10  
78 <210> SEQ ID NO: 5  
79 <211> LENGTH: 10  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial Sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: turn peptide  
86 <400> SEQUENCE: 5  
87 Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys  
88 1 5 10  
90 <210> SEQ ID NO: 6  
91 <211> LENGTH: 12  
92 <212> TYPE: PRT  
93 <213> ORGANISM: Artificial Sequence  
95 <220> FEATURE:  
96 <223> OTHER INFORMATION: turn peptide  
98 <400> SEQUENCE: 6  
99 Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys  
100 1 5 10  
102 <210> SEQ ID NO: 7  
103 <211> LENGTH: 12  
104 <212> TYPE: PRT  
105 <213> ORGANISM: Artificial Sequence  
107 <220> FEATURE:  
108 <223> OTHER INFORMATION: turn peptide  
110 <400> SEQUENCE: 7  
111 Ser Cys Thr Asn Gln Gly Ser Phe Leu Thr Cys Lys  
112 1 5 10  
114 <210> SEQ ID NO: 8  
115 <211> LENGTH: 12  
116 <212> TYPE: PRT  
117 <213> ORGANISM: Artificial Sequence  
119 <220> FEATURE:  
120 <223> OTHER INFORMATION: turn peptide  
122 <400> SEQUENCE: 8  
123 Ser Cys Gly Trp Gln Gly Ser Phe Leu Thr Cys Lys  
124 1 5 10  
126 <210> SEQ ID NO: 9

RAW SEQUENCE LISTING  
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127 <211> LENGTH: 12  
128 <212> TYPE: PRT  
129 <213> ORGANISM: Artificial Sequence  
131 <220> FEATURE:  
132 <223> OTHER INFORMATION: turn peptide  
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135 Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys  
136 1 5 10  
138 <210> SEQ ID NO: 10  
139 <211> LENGTH: 16  
140 <212> TYPE: PRT  
141 <213> ORGANISM: Artificial Sequence  
143 <220> FEATURE:  
144 <223> OTHER INFORMATION: turn peptide  
146 <400> SEQUENCE: 10  
147 Met Gln Ile Gly Val Lys Asn Pro Asp Gly Thr Ile Thr Leu Glu  
148 1 5 10 15  
150 Val  
153 <210> SEQ ID NO: 11  
154 <211> LENGTH: 16  
155 <212> TYPE: PRT  
156 <213> ORGANISM: Artificial Sequence  
158 <220> FEATURE:  
159 <223> OTHER INFORMATION: turn peptide  
161 <220> FEATURE:  
162 <221> NAME/KEY: UNSURE  
163 <222> LOCATION: 8  
164 <223> OTHER INFORMATION: Xaa at position 8 is Pro  
166 <220> FEATURE:  
167 <221> NAME/KEY: UNSURE  
168 <222> LOCATION: 9  
169 <223> OTHER INFORMATION: Xaa at position 9 is Ala or Gly  
171 <400> SEQUENCE: 11  
W--> 172 Met Gln Ile Gly Val Lys Ser Xaa Xaa Lys Thr Ile Thr Leu Lys  
173 1 5 10 15  
175 Val  
178 <210> SEQ ID NO: 12  
179 <211> LENGTH: 10  
180 <212> TYPE: PRT  
181 <213> ORGANISM: Artificial Sequence  
183 <220> FEATURE:  
184 <223> OTHER INFORMATION: turn peptide  
186 <400> SEQUENCE: 12  
187 Cys Thr Lys Val Trp Gln Leu Trp Thr Cys  
188 1 5 10  
190 <210> SEQ ID NO: 13  
191 <211> LENGTH: 12  
192 <212> TYPE: PRT  
193 <213> ORGANISM: Artificial Sequence

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195 <220> FEATURE:  
196 <223> OTHER INFORMATION: turn peptide  
198 <400> SEQUENCE: 13  
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200 1 5 10  
202 <210> SEQ ID NO: 14  
203 <211> LENGTH: 12  
204 <212> TYPE: PRT  
205 <213> ORGANISM: Artificial Sequence  
207 <220> FEATURE:  
208 <223> OTHER INFORMATION: turn peptide  
210 <400> SEQUENCE: 14  
211 Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys  
212 1 5 10  
214 <210> SEQ ID NO: 15  
215 <211> LENGTH: 12  
216 <212> TYPE: PRT  
217 <213> ORGANISM: Artificial Sequence  
219 <220> FEATURE:  
220 <223> OTHER INFORMATION: turn peptide  
222 <400> SEQUENCE: 15  
223 Ser Cys Thr Trp Gly Pro Leu Thr Leu Thr Cys Lys  
224 1 5 10  
226 <210> SEQ ID NO: 16  
227 <211> LENGTH: 10  
228 <212> TYPE: PRT  
229 <213> ORGANISM: Artificial Sequence  
231 <220> FEATURE:  
232 <223> OTHER INFORMATION: turn peptide  
234 <220> FEATURE:  
235 <221> NAME/KEY: UNSURE  
236 <222> LOCATION: 3  
237 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.  
239 <400> SEQUENCE: 16  
W--> 240 Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys  
241 1 5 10  
243 <210> SEQ ID NO: 17  
244 <211> LENGTH: 10  
245 <212> TYPE: PRT  
246 <213> ORGANISM: Artificial Sequence  
248 <220> FEATURE:  
249 <223> OTHER INFORMATION: turn peptide  
251 <220> FEATURE:  
252 <221> NAME/KEY: UNSURE  
253 <222> LOCATION: 3  
254 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.  
256 <400> SEQUENCE: 17  
W--> 257 Cys Thr Xaa Glu Asn Gly Lys Leu Thr Cys  
258 1 5 10

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Input Set : A:\P1762R1 US.txt  
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260 <210> SEQ ID NO: 18  
261 <211> LENGTH: 10  
262 <212> TYPE: PRT  
263 <213> ORGANISM: Artificial Sequence  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: turn peptide  
268 <220> FEATURE:  
269 <221> NAME/KEY: UNSURE  
270 <222> LOCATION: 3  
271 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.  
273 <220> FEATURE:  
274 <221> NAME/KEY: UNSURE  
275 <222> LOCATION: 5  
276 <223> OTHER INFORMATION: Pro is D-Pro  
278 <400> SEQUENCE: 18  
W--> 279 Cys Thr Xaa Glu Pro Asn Lys Leu Thr Cys  
280 1 5 10  
282 <210> SEQ ID NO: 19  
283 <211> LENGTH: 10  
284 <212> TYPE: PRT  
285 <213> ORGANISM: Artificial Sequence  
287 <220> FEATURE:  
288 <223> OTHER INFORMATION: turn peptide  
290 <220> FEATURE:  
291 <221> NAME/KEY: UNSURE  
292 <222> LOCATION: 3  
293 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Leu, Val, Thr or Asp.  
295 <220> FEATURE:  
296 <221> NAME/KEY: UNSURE  
297 <222> LOCATION: 5  
298 <223> OTHER INFORMATION: Pro is D-Pro  
300 <400> SEQUENCE: 19  
W--> 301 Cys Thr Xaa Glu Pro Gly Lys Leu Thr Cys  
302 1 5 10  
304 <210> SEQ ID NO: 20  
305 <211> LENGTH: 10  
306 <212> TYPE: PRT  
307 <213> ORGANISM: Artificial Sequence  
309 <220> FEATURE:  
310 <223> OTHER INFORMATION: turn peptide  
312 <220> FEATURE:  
313 <221> NAME/KEY: UNSURE  
314 <222> LOCATION: 3  
315 <223> OTHER INFORMATION: Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala  
317 <400> SEQUENCE: 20  
W--> 318 Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys  
319 1 5 10  
321 <210> SEQ ID NO: 21  
322 <211> LENGTH: 10

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 08/12/2002  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,8,9  
Seq#:11; Xaa Pos. 8,9  
Seq#:16; Xaa Pos. 3  
Seq#:17; Xaa Pos. 3  
Seq#:18; Xaa Pos. 3  
Seq#:19; Xaa Pos. 3  
Seq#:20; Xaa Pos. 3  
Seq#:21; Xaa Pos. 8  
Seq#:22; Xaa Pos. 3  
Seq#:23; Xaa Pos. 8  
Seq#:25; N Pos. 19,20,31,32,34,35,37,38,40,41,52,53  
Seq#:32; Xaa Pos. 6,8

## VERIFICATION SUMMARY

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L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:50  
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0